

November 6, 2012

Mr. Partap Lall
On-Scene Coordinator
Emergency Response Branch
U.S. Environmental Protection Agency, Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604

Subject: Removal Action Letter Report

S&K Hand Tools Site RV

Defiance, Defiance County, Ohio

Technical Direction Document No. TO-01-12-05-1005

OTIE Contract No. EP-S5-10-10

Dear Mr. Lall

Oneida Total Integrated Enterprises (OTIE) has prepared this Removal Action Letter Report in accordance with the requirements of the U.S. Environmental Protection Agency (U.S. EPA) Technical Direction Document (TDD) No. TO-01-12-05-1005 issued under the Superfund Technical Assessment and Response Team (START) Contract No. EP-S5-10-10. The scope of this TDD was to provide oversight and removal support during the removal action at the S&K Hand Tools Site (Site) in Defiance, Defiance County, Ohio. Under this TDD, START was tasked to provide removal oversight, conduct health and safety monitoring, and maintain removal documentation under the direction of the U.S. EPA On-Scene Coordinator (OSC), Partap Lall. Elisa Walker was the START Project Manager and Santino Nardulli was the team member for this removal action.

This removal action report summarizes the Site background; discusses the premise for the removal action; and details the removal activities, including the health and safety monitoring, analytical data, and waste disposal. The attachments for this report include Site Figures (Enclosure 1), a Photographic Log of the Site (Enclosure 2); Waste Manifests (Enclosure 3); and hazardous waste categorizing (HazCat) Spreadsheets (Enclosure 4).



Site Background

S&K Hand Tools is located at 135 Hickory Street in Defiance, Defiance County, Ohio. The geographical coordinates of the Site building are 41°16'49.39" North latitude and - 84°20'21.85" West longitude (Figure 1 – Site Location Map). The Site is located in a populated area surrounded by both commercial and residential properties. The Maumee River is located approximately 1/3rd mile north of the Site and the Auglaize River is located approximately 1 mile west of the Site.

S&K Hand Tools conducted manufacturing operations involving metal plating and polishing. All operations at the Site were shut down sometime in July 2010. S&K Hand Tools' Corporate Headquarters is in operation and is located in Sycamore, Illinois. The Ohio EPA Site records indicate that S&K Hand Tools Company in Defiance, Ohio was served a "Cessation of Regulated Operations (CRO)" which expired on April 15, 2011. S&K Hand Tools failed to comply with the CRO and several containers of waste remained at the Site. The facility is not secured and there have been recent reports of vandalism. The local county commissioners had expressed concerns regarding the potential release of waste off-site.

Premise for the Removal Action

On November 30, 2011, OSC, Brian Kelly, and OTIE START members Naren Babu and Elisa Walker mobilized to the Site, met with former S&K Hand Tools employee Kirk Etzler, and performed a Site Assessment (SA). SA activities included site reconnaissance, field screening, and the collection of liquid drum samples. The SA report noted that drums and containers of various sizes were observed inside the Site building with no secondary containment. Broken doors, shattered glass, and trash throughout the building indicated trespassing and vandalism. There was no electricity in the building, and observations during the site reconnaissance indicated unsafe conditions including low visibility, collapsed walls, holes and openings in the floors and walls, and open tank areas. Two 35-gallon drums, 85 55-gallon drums, and several small containers were found near the west end of the shipping area of the facility (Figure 2 – Site Features Map). Eleven small polyethylene (poly) drums and 21 drums of 55-gallon capacity were observed in the east end of the shipping area. Some of the blue poly 55-gallon drums had labels of "MURIATIC ACID 22° BE"", "HYDROCHLORIC ACID 20 BE", "SODIUM BISULFATE LIQUID 40%", and "SULFURIC ACID 66°BE" all accompanied by "corrosive" labels. A 55-gallon drum labeled with a "water soluble degreasing solvent" manufactured by "CHEMSEARCH" was located in the plating facility. Several blue poly drums labeled with Class "9" placards indicating "Miscellaneous Dangerous Goods" were observed on the south side of the dock. These drums were also labeled with



yellow and red hazardous waste labels with U.S. EPA Waste Numbers F006 and D007. In addition to the drums and containers, two vertical 3,000-gallon tanks with unknown contents were observed outside of the facility building and adjacent to the east wall of the plating room.

Analytical results of samples collected during the SA were evaluated against the criteria of characteristics of hazardous waste [40 Code of Federal Regulations (CFR), Sections 261.20 through 261.24]. Drums and containers containing highly basic compounds, acidic compounds, and ignitable materials were observed in the Site building which posed a threat of release. The presence of hazardous material in this unsecured building posed a threat to nearby residents through direct exposure since the Site exhibited signs of vandalism. Several drums posed a high threat of fire or explosion based on the flammable nature of the drums. The SA Report indicated that the existing conditions at the Site supported a removal action to abate threats to human health and the environment.

Site Removal Activities

The U.S. EPA initiated a removal action in May 2012 to abate threats to human health and the environment posed by uncontrolled hazardous substances at the Site. The U.S. EPA, Emergency and Rapid Response Services (ERRS) contractor Environmental Quality Management, and START contractor, OTIE, mobilized to the Site on May 29, 2012 to conduct removal action activities. The removal activities included mobilization, hazardous waste sampling and characterization, hazardous and non-hazardous waste consolidation and disposal, decontamination, and demobilization.

Site Mobilization and Work Area Setup

ERRS mobilized a removal crew including Response Manager (RM), William (Bill) Poma, Field Cost Administrator (FCA), Susan Thuillard, and two subcontractor crew members from Inland Waters of Ohio (Inland). At the beginning of the removal activities, the RM conducted a health and safety meeting by reviewing the Site-specific Health and Safety Plan (HASP), and discussed health and safety requirements for conducting removal action activities. A hospital route map was placed in every on-site vehicle and posted near the exit of the command field trailers (trailers). U.S. EPA and contractors reviewed and signed the HASP. START began compiling Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) paperwork, including daily Site entry/exit logs and daily work orders.



Beginning on May 29, 2012, health and safety meetings were conducted at the beginning of each work day by the RM to discuss Site hazards, exposure risks, and daily work tasks; U.S. EPA, START, and ERRS participated in the daily meetings. In addition to these meetings, START implemented an air monitoring program as part of the health and safety requirements during all removal activities. Air monitoring ensured: the personal protection of those on and off-site; appropriate Personal Protective Equipment (PPE) and engineering controls were implemented at all times.

From May 29, 2012 to May 31, 2012, ERRS conducted infrastructure set up activities, which included the installation of two Site trailers with electrical connection, established a contamination reduction zone, placed yellow caution tape around walking hazards such as holes in floors and hanging pipes, and established Site roadways. The trailers were located west of the facility along Hickory Street which also served as a support area. Hot zones were established intermittently in portions of the warehouse and chemical storage areas depending on daily activities. Site contamination reductions zones (CRZ) were established inside the southwest portion of the facility near the main entrance (Enclosure 2 – Photo #1) and south of the drum storage area (Figure 3 – Site Zone Map). Additional setup activities conducted during this period included: setup of portable restroom facilities and roll-off boxes, and preliminary staging and sorting of drums and small containers in the storage area of the facility (Enclosure 2 – Photo #2). Composite samples were collected from the former chrome plating and polishing areas to identify the potential nature of hazardous materials and debris. Samples were analyzed at ALS Laboratory Group (ALS) in Holland, Michigan for Toxicity Characteristic Leaching Procedure (TCLP) volatile organic compounds (VOCs), TCLP semi-volatile organic compounds (SVOCs), TCLP metals, pH, flashpoint, reactive cyanide, and reactive sulfide. Results indicated that the material and debris in the former plating and polishing areas were non-hazardous.

On May 31, 2012, OSC Lall conducted a contingency plan meeting for the Site. Attendees included Defiance County Sheriff, David Westrick, South Richland Fire Department Chief, Bob Lehman, Superintendent of Water Pollution Control, Mark Lehnert, Assistant Superintendent of Water Pollution, Control Kristi Babcock, START, and RM Poma. The contingency plan meeting addressed emergency and/or incident releases that could potentially arise during U.S. EPA removal activities. The contingency plan, prepared by START, discussed mitigative actions to be undertaken to prevent actual or potential harm to human health and the environment during the Site's removal action. Upon completion of site activities on May 31, 2012, U.S. EPA, START, and ERRS crew members demobilized and returned back to continue with the removal activities on June 4, 2012. Chronological Narrative of Removal Actions



During the week of June 4, 2012, the ERRS crew continued initial set-up activities that included the installation of the safety shower, mobilization of additional equipment and the cleanup and disposal of minor oil spilled areas throughout the facility. Staging, segregation, and numbering occurred on all containers and drums that measured 5-gallons or greater in size prior to sampling. A total of 248 drums and containers were staged in the storage area. Additional containers which were considered Resource Conservation and Recovery Act (RCRA) empty as defined under Title 40 of the Code of Federal Regulations (CFR) Section 261.7(b) (1) were collected and crushed or cut depending on material makeup, and stored of in roll-off boxes for later disposal (Enclosure 2 – Photo #3).

The two 3,000 gallon steel tanks (T-0249, T-0250) located outside of the facility were assessed in order to conduct preliminary field screening tests. Access holes were cut into the two tanks and field screening tests were conducted which indicated the green residue solids inside the tanks had a neutral pH. The materials remaining inside the tanks were suspected to be green nickel solids and filled <1/4th capacity of the tanks. START recorded the results of the preliminary tests in the log book and conducted work zone air monitoring using the MultiRAE during these activities; no readings registered above background levels. During this week, the crew continued cutting empty poly containers, crushing empty metal containers and debris, and placing solid material into non-hazardous roll-off boxes. The vertical sand filter located north of the T-0249 and T-0250 tanks was dismantled and loaded into a non-hazardous roll-off box for later disposal.

Beginning on June 6, 2012, ERRS chemist, Mark Douglas, and START screened the staged drums and containers in level B PPE to determine the level of protection needed for future sampling. START conducted screening activities in both the headspace of the drums, and the surrounding breathing zones with the MultiRAE; results were recorded in the log book. Non-detect levels were observed in the surrounding breathing zones while screening levels peaked at 900 ppm for CO, 200 ppm for H₂S, 695 ppm for VOCs, and 20 ppm for LEL in the headspace of the drums. Based on the results, Betsy Nightingale, alternate OSC, approved downgrading further sampling and related activities involving the drums or its contents to level C PPE. Drum/container sampling (Enclosure 2 – Photo #4) and HazCat tests by the ERRS crew began on June 6, 2012, and continued throughout the rest of the week. HazCat tests were conducted in modified level C PPE under a fume hood with exhaust fan (Enclosure 2 – Photo #5) that vented the fumes to the outside of the building. The HazCat area was located west of the main entrance in the former tool room/die sink area. Based on the HazCat test results, acid liquids, base liquids, caustic solids, flammable liquids, grease, latex paint, neutral liquids, oil-based paint, sodium bisulfate,



and solid waste streams were identified and segregated. ERRS crew members recorded the results of the HazCat analysis on drum/container inventory log forms. Throughout these activities, START conducted work zone personal protective air monitoring as well as perimeter air monitoring using the MultiRAE instrument; no readings registered above background levels.

During the week of June 11-15, 2012, the ERRS chemist completed HazCat analysis of all drum samples and consolidated the contents of small containers. The drums in the warehouse were segregated and organized by waste stream. Samples from each container were used to test compatibility within each waste stream, and additional material was collected from some of the drums to create bulk composite samples in a 5-gallon bucket. Analytical samples were collected from each of the bulk waste streams; the corresponding sample IDs included "Acid Liquids", "Base Liquids", "Caustic Solids", "Flammable Liquids", "Grease", "Latex Paint", "Neutral Liquids", "Paint (Oil-based)", "Sodium Bisulfate", and "Solids". Waste disposal profile samples of Acid Liquids, Base Liquids, Solids, Neutral Liquids, and Flammable Liquids were submitted to ALS for chemical analysis. Table 1 shows the analyses conducted on each of the profile samples, while Table 2 summarizes the analytical results. Once analytical results were received, drum/container contents were consolidated (Enclosure 2 – Photo #7) into their respective waste streams, and the newly generated RCRA empty drums/containers were loaded into a non-hazardous roll-off box for future disposal. Consolidated drums/containers were then staged by waste streams in the northwest portion of the facility in the storage area.



Table 1 Waste Stream Description Summary S&K Hand Tools Removal Action Defiance, Defiance County, Ohio

Waste Stream Sample ID	Analyses
Acid Liquid	TCLP VOCs, TCLP SVOCs, TCLP Metals, pH, Flashpoint
Base Liquid	TCLP VOCs, TCLP SVOCs, TCLP Metals, pH, Flashpoint, Reactive Cyanide, Reactive Sulfide, Total Cyanide
Solid	TCLP VOCs, TCLP SVOCs, TCLP Metals, pH, Flashpoint, Reactive Cyanide, Reactive Sulfide
Neutral Liquid	TCLP VOCs, TCLP SVOCs, TCLP Metals, pH, Flashpoint, Reactive Cyanide, Reactive Sulfide
Flammable Liquid	TCLP VOCs, TCLP SVOCs, TCLP Metals, pH, Flashpoint, PCBs, Total Halogens

Notes:

ID- Identification of waste streamPCBs- Polychlorinated biphenyls

TCLP- Toxicity Characteristic Leaching Procedure

VOCs Volatile Organic Compounds SVOCs Semi-Volatile Organic Compounds



Table 2 Waste Stream Analytical Results S&K Hand Tools Removal Action Defiance, Defiance County, Ohio

Waste Stream	Acid Liquids	Base Liquids	Solids	Neutral Liquids	Flammable Liquids
pH Analysis	1.15	13.9	2.50	8.30	8.78
Flashpoint (°F)	>200	>200	>200	>200	>200
Total Cyanide (mg/L)	NA	ND	NA	NA	NA
Reactive Cyanide (mg/L)	NA	ND	ND	ND	NA
Reactive Sulfide (mg/L)	NA	ND	ND	ND	NA
TCLP Metals (mg/L)*					
Arsenic	0.024	0.15	0.089	ND	ND
Barium	5.1	0.38	0.20	0.13	0.058
Cadmium	0.050	2.5	0.010	0.0024	0.0051
Chromium	3.3	0.074	0.58	16	0.085
Lead	0.11	0.15	ND	0.043	1.5
Mercury	0.15	ND	ND	ND	ND
Selenium	0.10	2.9	0.035	ND	ND
Silver	ND	ND	ND	ND	ND
TCLP VOCs (µg/L)	ND for all parameters				
TCLP SVOCs (µg/L)	ND for all parameters				
Total Halogens in wt.%			1.0		
PCBs (mg/Kg)	-]	NA		ND

Notes:

ND – concentration in sample was below laboratory detection limit

NA – not applicable: the given waste stream was not analyzed for the given parameter

* - Maximum Concentration for Toxicity Characteristic (mg/L): Mercury 0.2, Arsenic 5.0, Barium 100, Cadmium 1.0, Chromium, 5.0, Lead

5.0, Selenium 1.0, Silver 5.0

 ${}^{\mathrm{o}}F$ – Degrees Fahrenheit

 $mg/L-milligrams\ per\ liter$

 $\mu g/L - micrograms \ per \ liter$

wt. % - weight percentage

mg/Kg - milligram per kilogram



The contents of tanks T-0249 and T-0250 were stabilized and collected in non-hazardous roll-off boxes. These emptied tanks were cut in half with a sawzall saw, fully dismantled (Enclosure 2 – Photo #6), and stored in an on-site roll-off box for later disposal as a RCRA empty container. An approximately 1,000-gallon rectangular poly tank (T-0251) located outside the facility on the south portion of the former forging area was preliminary screened and HazCat sampled in order to determine its contents. Once the screening and sample results determined its contents to be rainwater, holes were drilled and cut into the tank in order to expel the liquid and render it unusable. During the sampling and drilling activities, START conducted work zone air monitoring using the MultiRAE; no readings registered above background levels.

Beginning June 15, 2012, ERRS began cleaning activities in the former heat and treat, polishing, and plating areas. The heat and treat room was broom swept, and the residual material was mixed with a drying material (Floor-dry) for stabilization and disposal (Enclosure 2 – Photo #8). With the aid of a skid steer, any remaining hardened floor material was then scraped and mixed with the above residual material. Large piping and duct work was cut out from the former polishing and plating areas (Enclosure 2 – Photo #9), and debris was also removed and consolidated with the rest of the debris from other areas of the Site. Based on the results from the earlier obtained samples, the waste and debris were characterized for disposal as non-hazardous waste and were stored in non-hazardous roll-off boxes for future disposal. During cleaning activities, the crew donned level C PPE and START conducted both work zone and perimeter air monitoring with the MultiRAE. No readings above background levels were observed during monitoring activities. On June 15, 2012 one 30 cubic yard roll-off box containing RCRA empty containers and debris was sent to National Serv-All Non-Hazardous Waste Landfill in Fort Wayne, Indiana for land disposal.

During the week of June 18-22, 2012, the ERRS crew continued and completed broom sweeping, and consolidation activities in the heat and treat, polishing, and plating areas. Beginning June 18, 2012 and concluding on June 19, 2012, oil based paint, latex paint and grease waste streams were over-packed into one cubic yard lined hazardous box HazBox waste containers (Enclosure 2 – Photo #10). Drums categorized in the flammable or neutral waste streams that contained solid/liquid mixtures were temporarily segregated in order to filter out the solids and to ensure successful pumping activities. Once isolated, Floor-dry was added to the removed solids for stabilization and disposal. The newly formulated Floor-dry/solid mixtures were collected in roll-off boxes. Similarly, the contents of an 85 gallon steel, rectangular, tank (T-0222) was also stabilized and collected in the roll-off box. The two ERRS crew



members from Inland were demobilized at the end of this week due to the progression and near completion of removal activities. Roll-off boxes containing RCRA empty containers and debris were filled and shipped to National Serv-All Non-Hazardous Waste Landfill for land disposal on June 19, 2012 and June 20, 2012.

During the week of June 25-28, 2012, the ERRS crew completed the removal of hazardous and non-hazardous materials from the Site and segregating them in roll-off boxes and drums for disposal. On June 25, 2012 the crew staged the flammable drums and containers in the polishing room for pumping and disposal. Flammable liquid was pumped from each individual drum directly into a tanker. A total of 2,004 gallons of flammable liquid waste was pumped and transported to Petro-Chem Processing Group (Petro-Chem) treatment and disposal facility located in Detroit, Michigan for fuel blending. Crew members donned modified level C PPE during pumping activities. After the conclusion of pumping activities, the crew cut all empty poly containers, crushed empty metal containers, and collected the newly generated RCRA empty material in roll-off boxes. START conducted air monitoring with the MultiRAE throughout the course of pumping, and container crushing and cutting activities; no readings were observed above background levels.

The hazardous Neutral Liquid waste stream totaling 2,106 gallons was similarly pumped out from each individual drum or container staged in the polishing room (Enclosure 2 – Photo #11). The hazardous liquid was then transported by tanker truck to Dynecol, Inc. Treatment Plant (Dynecol) in Detroit, Michigan for treatment disposal. RCRA empty containers resulting from these pumping activities were cut, crushed and collected in roll-off boxes. During cleaning and disposal activities, START conducted work zone and perimeter air monitoring; no readings above background levels were observed. On June 27, 2012 the previously over-packed oil paint, latex paint and grease waste streams along with the bulk grouped waste streams Acid liquids, Bases liquids, and Solids were loaded onto a semi-truck and shipped to Dynecol for disposal (Enclosure 2 – Photo #12).

At the conclusion of these activities, the ERRS crew swept the rust-stained floor outside the oil room and collected all abandoned fluorescent light bulbs at the Site. The accumulated bulbs were packaged and sent for recycling through Waste Management's LampTracker® Program. A power washer was mobilized to the Site to decontaminate ERRS equipment using pressurized water. The skid steer, fork lift, and hand tools were decontaminated in the outdoor area, east of the facility. ERRS crew donned modified level C PPE during all decontamination activities.



Site Demobilization

After disposal and cleanup activities concluded on June 28, 2012, the emergency shower was dismantled and all personal belongings/equipment were collected and packed. Trailers were emptied and cleaned while rental equipment was staged outside the facility for pickup. ERRS crew members with the exception of the FCA demobilized after the conclusion of the day's activities. On June 28, 2012 U.S. EPA and START led a final post removal action walkthrough of the Site with Bob Lehman, Kristi Babcock and Assistant Chief Bowling of the Defiance Fire Department. The post removal action walkthrough and meeting allowed for questions to be asked and removal activities to be explained. Later in the day, the trailers, portable restrooms, and rental equipment were picked up by the rental companies. The final roll-off box containing RCRA empty containers and debris was picked up and shipped to National Serv-All Non-Hazardous Waste Landfill for land disposal. U.S. EPA, START and the ERRS crew (FCA) demobilized from the Site.

Waste disposal

Waste from Site removal action was classified and disposed as hazardous and non-hazardous wastes depending upon analytical results and waste disposal criteria. ERRS coordinated with transportation and disposal facilities and arranged for waste disposal. Table 3 summarizes wastes disposed form the Site.

Summary

The S&K Hand Tools removal action was conducted from May 29, 2012 through June 28, 2012. During this removal action, START provided U.S. EPA with technical support in monitoring on-site activities, provided ERRS contractor oversight, and collected and documented Site information.

The removal action began on May 29, 2012, with mobilization to the Site. Site conditions were assessed, work areas were established and on-site health and safety was addressed. Containers were gathered from throughout the Site building, staged in the storage area, and sampled for HazCat analysis. Based on the results of the HazCat analysis, separate waste streams were bulked and either shipped or pumped out in a tanker for disposal. Three tanks containing non-hazardous residual material or liquid were emptied, and the contents were disposed of at National Serv-All Non-Hazardous Waste Landfill located in Fort Wayne, Indiana. The tanks were cut open and rendered unusable. RCRA empty containers were cut and crushed prior to disposal in roll-off boxes. Approximately 90 cubic yards of RCRA empty containers, off-



specification material, and debris were disposed of as non-hazardous special waste at National Serv-All Non-Hazardous Waste Landfill. Two boxes of fluorescent light bulbs were sent for recycling through Waste Management's LampTracker® Program. Approximately 4,100 gallons of non-hazardous flammable oil and neutral liquid waste was sent to Petro-Chem and Dynecol, both located in Detroit, Michigan. The remaining Acids, Bases, Grease, Latex Paint, Oil-based Paint, and Solids waste streams were over-packed or tight-wrapped and shipped for disposal to Dynecol on June 27, 2012. On June 28, 2012 U.S. EPA and START held a final post-removal action walkthrough and debriefing meeting with the City of Defiance, and South Richland Fire Department officials. After the completion of the walkthrough, U.S. EPA, START and ERRS demobilized from the Site on June 28, 2012. At the completion of the removal action, the threat of release of hazardous substances to surrounding populations was abated.

Sincerely,

Elisa Walker

Project Manager, OTIE

Enclosure 1: Figures

Enclosure 2: Photographic Log

Enclosure 3: Manifest

Enclosure 4: HazCat Spreadsheets

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cc: Raghu Nagam, OTIE START Program Manager



Table 3 Waste Disposal Summary S&K Hand Tools Removal Action **Defiance, Defiance County, Ohio**

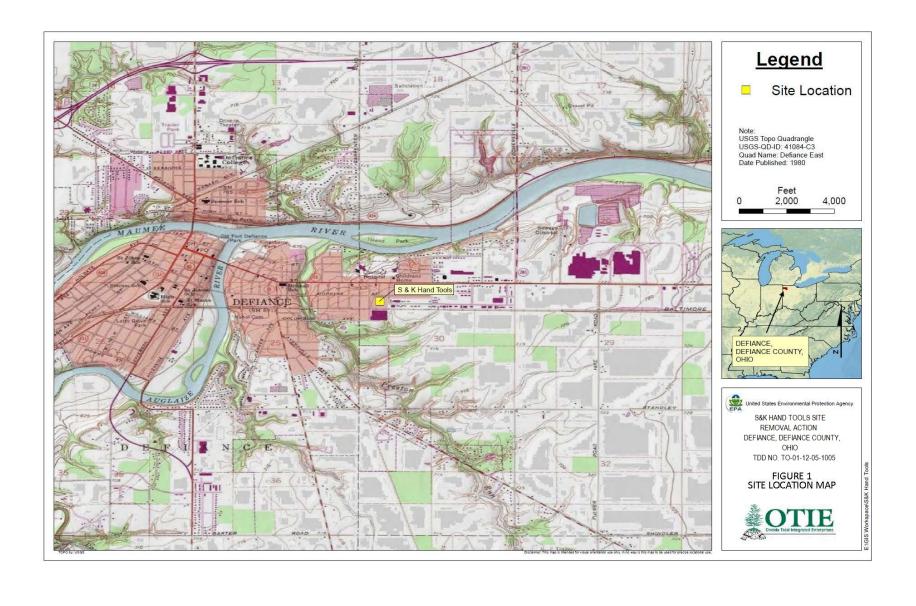
	Waste Category	Quantity	Date Shipped	Manifest Number	Disposal Method	Facility, Location
1.	Hazardous Waste Liquid, Neutral Liquids Bulk	2,106 gal.	6/27/12	009654979 JJK	Treatment	Dynecol, Inc. Treatment Plant 6520 Georgia St. Detroit, MI. 48211
1. 2. 3. 4.	RQ, Waste Paint related material RQ, Waste Corrosive Liquid, Basic (Base Liquids - Corrosive) RQ, Waste Hydrochloric Acid RQ, Waste Sulfuric Acid	800 lb. 110 gal. 275 gal. 220 gal.	6/27/12	009654980 JJK	Disposal Treatment Treatment Treatment	Dynecol, Inc. Treatment Plant 6520 Georgia St. Detroit, MI. 48211
1. 2. 3. 4.	Non-hazardous waste liquid (latex paint) Non-hazardous waste solid (sodium metabisulfite) Non-regulated material (Grease) RQ, Bisulfites, aqueous solutions (Sodium Bisulfite 40%)	1,000 lb. 750 lb. 2,000 lb. 55 gal.	6/27/12	009654981 JJK	Disposal Treatment Disposal Treatment	Dynecol, Inc. Treatment Plant 6520 Georgia St. Detroit, MI. 48211
1.	RQ, Sodium Hydroxide, solid	55 gal.	6/27/12	009654982 JJK	Treatment	Dynecol, Inc. Treatment Plant 6520 Georgia St. Detroit, MI. 48211
1.	Toxic waste liquid (M- Tolylidene Diisocyanate)	40 lb.	6/6/12	010008982 JJK	Treatment	Petro-Chem Processing Group 421 Lycaste Detroit, MI, 48214
2.	Non DOT Regulate Material (Oil and Water)	2,004 gal.	6/25/12	010011811 JJK	Treatment	Petro-Chem Processing Group 421 Lycaste Detroit, MI, 48214
1.	Four 30 cubic yd. RCRA Roll- off Boxes	120 cubic yd.	6/15, 6/19, 6/20, 6/28	NA	Disposal	National Serv-All Non- Hazardous Waste Landfill 6231 MacBeth Road Fort Wayne, IN 46809

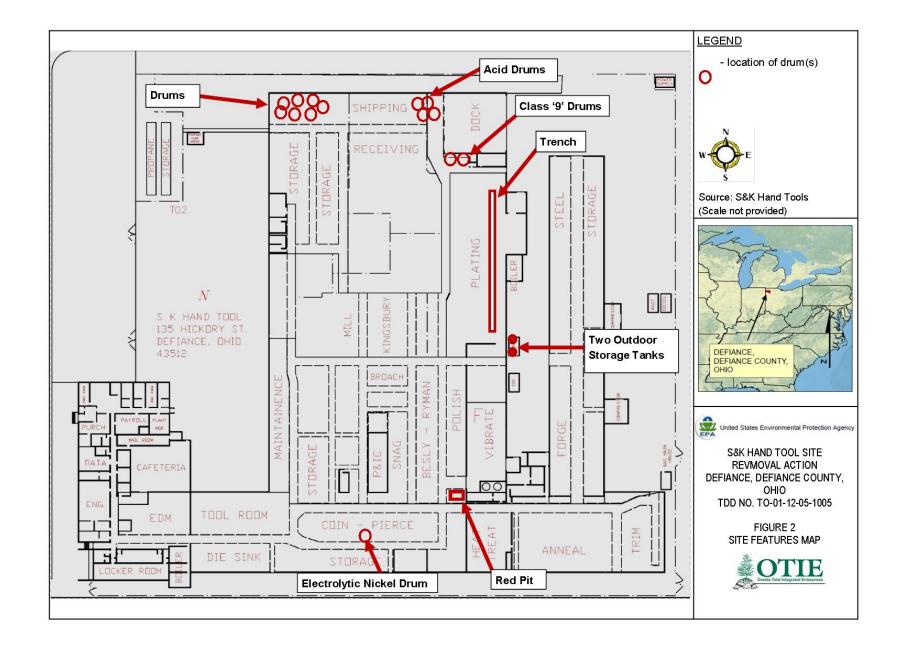
Notes: RQ – Reportable Quantity lb. – pound gal. - gallon

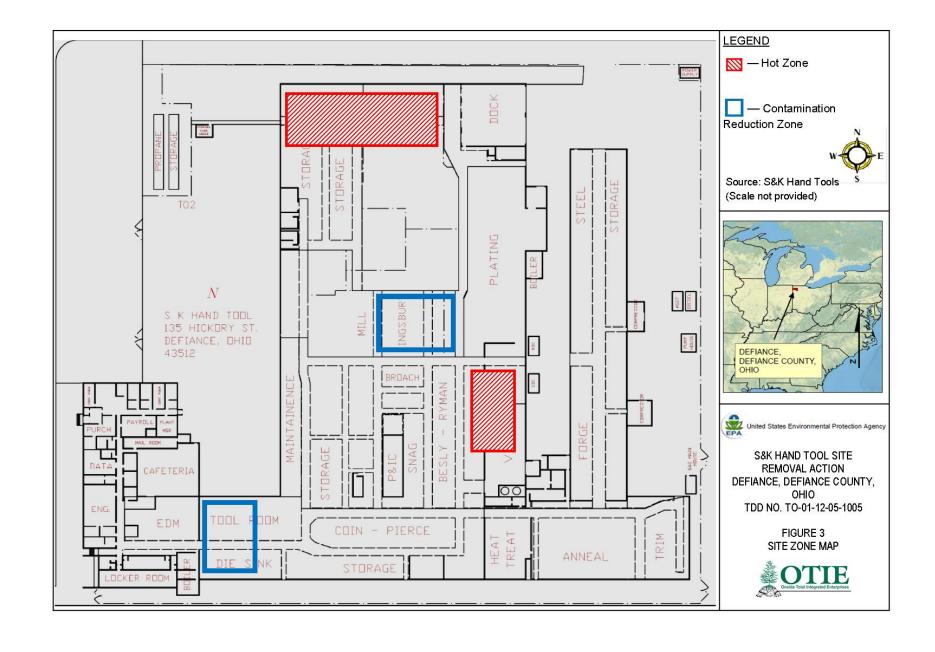
ENCLOSURE 1

FIGURES

(3)







ENCLOSURE 2

PHOTOGRAPHIC LOG

(6 Pages)

Photograph No.:1Photographer:Santino NardulliOrientation:NortheastTDD Number:TO-01-12-05-1005Contract:EP-S5-10-10, OTIEDate:May 31, 2012

Site Name & Location: S&K Hand Tools Site Trailers and parking lot, site building in the background.



Photograph No.: 2 **Photographer:** Santino Nardulli **Orientation:** West

TDD Number: TO-01-12-05-1005 **Contract:** EP-S5-10-10, OTIE **Date:** May 31, 2012

Site Name & Location: Preliminary organization and staging of drums and small containers in storage area.



Photograph No.: 3 Photographer: Santino Nardulli Orientation: East

TDD Number: TO-01-12-05-1005 **Contract:** EP-S5-10-10, OTIE **Date:** June 5, 2012

Site Name & Location: ERRS disposing of empty drums and small containers near former polishing area.



Photograph No.: 4 Photographer: Santino Nardulli Orientation: North
TDD Number: TO-01-12-05-1005 Contract: EP-S5-10-10, OTIE Date: June 6, 2012
Site Name & Location: ERRS collecting hazcat samples in level C PPE from staged drums while START conducts air monitoring.



Photograph No.: **Photographer:** Santino Nardulli **Orientation:** North **TDD Number:** TO-01-12-05-1005 **Contract:** EP-S5-10-10, OTIE **Date:** June 8, 2012 Site Name & Location: ERRS' chemist conducting hazcat analysis inside laboratory fume hood while START

conducts air monitoring.



Photograph No.: **Photographer:** Santino Nardulli **Orientation:** West

TDD Number: TO-01-12-05-1005 Contract: EP-S5-10-10, OTIE **Date:** June 11, 2012 Site Name & Location: ERRS disposing of 3,000-gallon tanks located outside of former plating area while START

conducted air monitoring.



Photograph No.: 7 **Photographer:** Santino Nardulli **Orientation:** West

TDD Number: TO-01-12-05-1005 **Contract:** EP-S5-10-10, OTIE **Date:** June 13, 2012 **Site Name & Location:** ERRS consolidating drums after waste streams and secondary staging was completed.



Photograph No.:8Photographer:Santino NardulliOrientation:EastTDD Number:TO-01-12-05-1005Contract:EP-S5-10-10, OTIEDate:June 15.

TDD Number: TO-01-12-05-1005 **Contract:** EP-S5-10-10, OTIE **Date:** June 15, 2012 **Site Name & Location:** ERRS cleaning the former heat and treat room of various oil spills and stains while START

conducted air monitoring.



Photograph No.:9Photographer:Santino NardulliOrientation:NorthwestTDD Number:TO-01-12-05-1005Contract:EP-S5-10-10, OTIEDate:June 15, 2012

Site Name & Location: ERRS cleaning and disposing of debris in the former polishing room while START

conducted air monitoring.



Photograph No.: 10 Photographer: Santino Nardulli Orientation: North
TDD Number: TO-01-12-05-1005 Contract: EP-S5-10-10, OTIE Date: June 18, 2012
Site Name & Location: ERRS over-packing oil based paints for shipment and disposal while START conducted air monitoring.



Photograph No.: 11 Photographer: Santino Nardulli Orientation: East

TDD Number: TO-01-12-05-1005 **Contract:** EP-S5-10-10, OTIE **Date:** June 27, 2012

Site Name & Location: ERRS pumping neutral liquids in modified Level C PPE from 55-gallon drums while

START conducted air monitoring.



Photograph No.:12Photographer:Santino NardulliOrientation:NortheastTDD Number:TO-01-12-05-1005Contract:EP-S5-10-10, OTIEDate:June 27, 2012Site Name & Location:ERRS loading previously over-packed waste streams for shipment to Dynecol Detroit, Inc.



ENCLOSURE 3

WASTE MANIFEST

(9 Pages)

Plea	ase print or type. (Form de		e (12-pitch) typewr	iter.)							Approved.	OMB No. 2	050-0039
\uparrow	UNIFORM HAZARDOU WASTE MANIFEST	1. Generator ID Nur	mber 5247350	, vila	2. Page 1 of	ELE)	ency Response	7141		<u>965</u>	497	9 J.	JK
	5. Generator's Name and M	ailing Address	ıS			Generator	's Site Address (if different th	an mailing addres	ss)			
	135 HICKON DEFIANCE,	C STREET											
Ш	Generator's Phone: 6. Transporter 1 Company I	lame ·	· · · · · · · · · · · · · · · · · · ·			<u> </u>	·		U.S. EPA ID I	Number			
	Dynacol,								MID	07425	59565		
	7. Transporter 2 Company I	lame						· -	U.S. EPA ID I	Number			
	8. Designated Facility Name	and Site Address	atment D	lanc			· · · ·		U.S. EPA ID I	Number .			
	Destroit, I Facility's Phone: ((1 48211 313) 571-	7141						MII	Y07425	59865		
	9a. 9b. U.S. DOT Desc HM and Packing Group	niption (including Proper (if any))	Shipping Name, Haza	rd Class, ID Number	г,	-	10. Contain	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	3
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	4.							· .					
	14. Special Handling Instru	ctions and Additional Info	ormation.	JEVITT O'S		L.					1		
	1	z# 32		e elimental									
		ROR'S CERTIFICATIO		hat the contents of the	nis consignmen	nt are fully ar	nd accurately de	scribed abov	re by the proper si	hipping nam	e, and are cla	ssified, pack	aged,
$\ \ $	Exporter, I certify that	acarded, and are in all r the contents of this cons minimization statement	signment conform to the	e terms of the attach	hed EPA Ackno	wledgment o	of Consent.	·	•. •	s. If export st	nipment and I	am the Prim	ary
$\ $	Generator's/Offeror's Printe	d/Typed Name {				Signature	(5) (111 411) 4 51115	4			Mo	oth Day	Year
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Ę	Transporter signature (for			<u> </u>	Export from	n U.S.	Port of en Date leavi	•		· · · · · · · · · · · · · · · · · · ·			
띮	17. Transporter Acknowledge Transporter 1 Printed/Types		nals	· · ·	8	Signature		- Andrews	/		Mg	nth Day	Year
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1	18. Discrepancy												
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Ľ	18b. Alternate Facility (or G	enerator)				Ma	nifest Reference	Number:	U.S. EPA ID	Number			
FACILITY	Facility's Phone:								1				
DESIGNATED		Facility (or Generator)						· .		·	M	onth Da	y Year
100	19. Hazardous Waste Rep	ort Management Method	Codes (i.e., codes for	r hazardous waste tr	eatment, dispo	sal, and recy	ycling systems)				·		
	1. H077		2.		3.				4.				
$\ $	20. Designated Facility Ow	ner or Operator: Certification	ation of receipt of haza	ardous materials cov			ot as noted in Ite	m 18a			NA.	onth Day	/ Year
$ \downarrow$	Printed/Typed Name				. 1	Signature					İ	Jilli Day	

riea	se print or type. (Form desig		in typewriter.)	10 5	<u> </u>		51	T 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		Approved.	OMB NO.	2000-0035
$ \uparrow $	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number OFFIDIO 4.524.73		2. Page 1 o	1 '	jency Response		4. Manifest T	365 965	498	0 J,	JK
	5. Generator's Name and Mailir	AND TOOLS			Generato	r's Site Address ((if different tha	n mailing address				
	iis bionary depiamor, c	' STREET				•			,			
	Generator's Phone: 6. Transporter 1 Company Nam	ne		<u>.</u>	<u> </u>			U.S. EPA ID N	umber	 		
	Dynamal, In									99565		
	7. Transporter 2 Company Nam	ne		,				U.S. EPA ID N	umber			
	Designated Facility Name an	d Site Address	 	-				U.S. EPA ID N	umber			
	8. Designated Facility Name an Dynescol In 6520 Georgi	a st.	•									
	Facility's Phone: (3)	48211 13) 571-7141						MID	0742	19565		
	HM and Packing Group (if a					10. Contain No.	ners Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	s
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	marked and labeled/placa	DR'S CERTIFICATION: I herebarded, and are in all respects in contents of this consignment co	proper condition for transport a	according to app	plicable inter	mational and nati	scribed above onal governm	by the proper shi ental regulations.	pping name If export sh	o, and are clas ipment and I	ssified, pack am the Prin	aged, ary
	I certify that the waste mir Generator's/Offeror's Printed/Ty	nimization statement identified in	n 40 CFR 262.27(a) (if I am a I	large quantity ge	enerator) or Signature	(b) (if I am a sma	Il quantity gen	erator) is true.		Moi	nth Day	Year
↓	1	Clad			ngriataro .	10	(01)				_	112
Ę	16. International Shipments Transporter signature (for expo	Import to U.S.		Export from	n U.S.	Port of en Date leavi		-		· · · · · · · · · · · · · · · · · · ·		
	17. Transporter Acknowledgmer	nt of Receipt of Materials	· · · · · · · · · · · · · · · · · · ·									
TRANSPORTER	Transporter 1 Printed/Typed Na		Leave M. A.	S I	ignature ا		7	The state of the s	~~~	Mor	خسا ک	
NSF	Transporter 2 Printed/Typed Na	ame	Frankling Control	s	Signature		<u>محمود المحمود</u> أو محمور	- 		Moi	3 - 1 - 2	/ / 2 Year
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	18. Discrepancy 18a. Discrepancy Indication Sp	are \square								<u> </u>		
	Toa. Discrepancy indication Sp	Quantity	Ш Туре		L	Residue		Partial Reje	ection		Full Re	ection
	18b. Alternate Facility (or Gene	urator)			Ma	ınifest Reference	Number:	U.S. EPA ID N	lumbor			
늹	Tob. Alternate Facility (of Gene	iaiui)						U.O. EPAID N	lumber			
FAC	Facility's Phone:			<u></u>		<u> </u>			*. •			<u> </u>
DESIGNATED FACILITY	18c. Signature of Alternate Fac	ility (or Generator)							•	Mo	onth Da	y Year
SIGN	19. Hazardous Waste Report N	fanagement Method Codes (i.e	, codes for hazardous waste t	reatment, dispo	sal, and rec	ycling systems)						_I
Ä,	1. HI.4.1.	2.	077	3.	HO.	77		4.	8077			
$\ $	20. Designated Facility Owner	or Operator: Certification of rec	eipt of hazardous materials co			ot as noted in Iter	n 18a					
	Printed/Typed Name			_ 	Signature	-				Mo	nth Day	/ Year
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1	UNIFORM HAZARDOUS WASTE MANIFEST 1. Generator ID Number OFFICE 45247350	2. Page 1 of	3. Emergency Response	7141		racking Nu 965			
	5. Generator's Name and Mailing Address USEPA SR HAND TOOLS 135 HICKORY STREET DEFINANCE, OI 13512	٠	Generator's Site Address	(if different tha	an mailing addres	s)			
	Generator's Phone: 6. Transporter 1 Company Name		<u> </u>		U.S. EPA ID N	lumber			-
Ш	Dynacol, Inc.				(IIM	07425	19565		
	7. Transporter 2 Company Name	-			U.S. EPA ID N	umber	 		
			· .						
	8. Designated Facility Name and Site Address 5520 Georgia St.				U.S. EPA ID N	lumber			
	Facilitys Phone: (313) 571-7141		,		MID	07425	595 6 5		
Ш	9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))	r,	10. Contair No.		11. Total Quantity	12. Unit Wt./Vol.	13. Wa	ste Codes	
	1 Non-hazardous waste liquid		No.	Туре	Quality	110,700.	0291	Т	
GENERATOR			*O!~	(12)	1000	Þ	GA DA		
岁	2. Non-hazardous waste solitá						MOME		
ଞ	No. at		×0 5	-F295*	750-	ĵ.			
$\ \ $	3. Menorespelatesi metascial						0291		
$\ $			×02-	S.B.	7,000-	P			
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П	3, UN2693, III		>01-	DE,	J. Sty Figur	<u> </u>			
П	14 Special Handling Instructions and Additional Information		7 3/4 7	<u> </u>	Name of Street		L L		
	14. Special Handling Instructions and Additional Information 1. #1747653 (LATRA KAINT) 2. #174765 (SCHIUM METABLISTIFITE) 3. #1747673 (GREASE) 4. #174768 (SCHIUM BISULFITE 401)							i i i i i i i i i i i i i i i i i i i	
	15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of the marked and labeled/placarded, and are in all respects in proper condition for transport as Exporter, I certify that the contents of this consignment conform to the terms of the attact I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a labeled I).	ccording to app hed EPAAckno	olicable international and nat owledgment of Consent.	ional governm	nental regulations.				
Ш	Generator's/Offeror's Printed/Typed Name	<u> </u>	ignature	7	11		Month	Day 2	Year
Ų			M. Carrier	C	[4]		(6	\mathbb{Z}^{T}	1
INT'L		Export from	n U.S. Port of er Date leav	-					· · · · · · · · · · · · · · · · · · ·
띪	17. Transporter Acknowledgment of Receipt of Materials					,		<u>,</u>	V
TRANSPORTER	Transporter 1 Printed/Typed-Name		ignature	L. L	(C)	<u> </u>	Month O	27	Year / Z
TRAN	Transporter 2 Printed/Typed Name	s 	ignature	Color Care			Month	Day	Year
1	18. Discrepancy								
	18a. Discrepancy Indication Space Quantity Type		Residue		Partial Rej	ection		Full Reject	tion
Ľ			Manifest Reference	e Number:	EDI ID I				
	18b. Alternate Facility (or Generator)				U.S. EPA ID N	numper			
	Facility's Phone:				i				
DESIGNATED FACILITY	18c. Signature of Alternate Facility (or Generator)				<u> </u>	· · · · · · · · · · · · · · · · · · ·	Mont	h Day	Year
₹	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							<u> </u>	
Sign	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste tro	eatment, dispo							
la I		3.	HI.41.		4.	H077			
$\ $	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials cov			m 18a			Mont	h Dov	Voor
	Printed/Typed Name		Signature				Mont	h Day	Year

Plea	se p	rint or type. (Form desig			r.) ·					<u> </u>	Form	Approved	OMB No.	2050-0039
	_		1. Generator ID Nun			2. Page 1 of	3. Emerg	jency Response	Phone	4. Manifest	Tracking No	ımber	<i>6</i> % =	11/
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	5. G	Senerator's Name and Mailin 1.25 FICECARY DESTINATION C	g Address AND TEXAL STREET H 13512	\$			Generato	r's Site Address	(if different th	nan mailing addres				
H		nerator's Phone: ransporter 1 Company Nam	Α.		· · · · · ·					U.S. EPA ID I	Number			
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Ш		ransporter 2 Company Nam				_				U.S. EPA ID I	Number			
Ш										1				
Ш	8. E	esignated Facility Name an	d Site Address	·			-			U.S. EPA ID I	Number			
Ш		esignated Facility Name an	a St.							•				
Ш	ı	Detroit, Mi												
Ш			37 671-7	1111						MII	0742	59565		
П	9a	Ob. 11 O. DOT Description		Shipping Name, Hazard	Class, ID Number,			10. Contai	ners.	11. Total	12. Unit	40	Masta Cod	
Ħ	HN	and Packing Group (if a						No.	Туре	Quantity	Wt./Vol.	13.	Waste Cod	es ·
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Ш	14	Special Handling Instruction	s and Additional Info	rmation				*		L	<u> </u>			.1
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Ш								*		**				
Ш														
Ш	15.	GENERATOR'S/OFFERO	R'S CERTIFICATION	N: I hereby declare that	the contents of thi	s consignment	are fully a	nd accurately de	scribed abov	e by the proper sl	nipping name	e, and are cla	assified, pac	kaged,
Ш		marked and labeled/placa	rded, and are in all re	espects in proper conditi	on for transport acc	cording to appli	cable inter	national and nat						
		Exporter, I certify that the I certify that the waste mir							all quantity g	enerator) is true.			•	
П	Gei	nerator's/Offeror's Printed/Ty	 	t			nature	Jake S.	1	, ,			onth Da	•
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置	17.	Transporter Acknowledgmer		ials										
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X	Tra	nsporter 2 Printed/Typed Na	me			Siç	gnature		Commence of the Commence of th			/ M	onth Da	y. Year
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↑	\vdash	Discrepancy		· · · · · · · · · · · · · · · · · · ·	·					Maria Paris		100		
	188	a. Discrepancy Indication Sp	ace Quan	tity	Туре		Ŀ	Residue		Partial Re	jection		Full Re	ejection
Ш		•								· .				
	40	Altamata Facility (* 10	motor)				Ma	anifest Referenc	e Number:	II O EDA ID	Numbe-			
15	181	o. Alternate Facility (or Gene	raior)							U.S. EPA ID	NUMBEL			•
										1 7				
10	Fa	cility's Phone: c. Signature of Alternate Fac	ility (or Generator)	, ·								· I A	onth D	ay Year
뮏	100	. Orginature of Alternate Pat	my (or Ocherator)						;			"	D	
DESIGNATED FACILITY	<u> </u>	Homomore Marte Day 14	longgomert Moth	Codos (i.a. codos fo-b-	Tordoug weeks to	otmont disser-		uoling overten-1	(<u> </u>	:				
ES	19.	Hazardous Waste Report N	ianagement Method	Codes (i.e., codes for na	zzalnonz mążie ile	atment, disposa	aı, a⊓u rec	young systems)		4.				
^	Ί.	H141				٦			1	1		٠.		
	20	Designated Facility Owner	or Operator: Certifica	tion of receipt of hazard	ous materials cove	red by the man	ifest exce	nt as noted in Ite	m 18a	<u> </u>				
	_	nted/Typed Name	o. oporator. ociuiloa	and the state of t			gnature		54			N	lonth Da	y Year
						1			*			1	.	1

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Form Approved. OMB No. 2050-0039

\uparrow	UNIFORM HAZARDOUS 1. Generator ID Number WASTE MANIFEST 0HD 0 45247350	2. Page 1 of	1	gency Response	Phone 77-2669	4. Manifest	Tracking Nu	898	2 JJ	ĸ
	5. Generator's Name and Mailing Address				(if different than					••
Ш	USEP / SK HAND TOOL			/ SK HAND						
	9311 GROH ROAD GROSSE ILE MI 48138 (734)692-7685			CKORY STRI	EE! 12 (734)69:	3-7695				- 1
	Generator's Phone: 48332 TEE RI 10130 1/31/072 / 003 6. Transporter 1 Company Name	<u>!</u>	ULI INI	IGE ON TOO	12 (107)0)	U.S. EPA ID N	lumber			
Ш	NORTRU, LLC					MID02		75		
	7. Transporter 2 Company Name					U.S. EPA ID N	lumber			
	Designated Facility Name and Site Address					U.S. EPA ID N	lumber			
	PETRO-CHEM PROCESSING GROUP									
	421 Lycaste									
	Facility's Phone: Detroit, NI 48214 (313) 824-5840			40.0			80615	298		
	9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		ŀ	10. Contai No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13.1	Waste Codes	
<u>ا</u>	1. UN2810 WASTE TOXIC, LIQUIDS, ORGANIC, N.O.S. (N-TOL	YLIDENE		,				U158	U223	
ATO	X DIISOCYANATE) 6.1 PGIII		İ	1	DF	40	P	Agenty of Adapt con from [
GENERATOR	2.				-			-		
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	3.									
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П	14. Special Handling Instructions and Additional Information						<u>. </u>			
П	(1) 544316-00 - ERG(153) ISOCYANATE AND 2,2-0									
$\ \cdot \ $										
$\ \ $	15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this									
Ш	marked and labeled/placarded, and are in all respects in proper condition for transport acc Exporter, I certify that the contents of this consignment conform to the terms of the attached	ed EPA Acknow	wledgment	of Consent.	-	_	. If export st	nipment and I	am the Pnma	iry
П	I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large Generator's/Offeror's Printed/Typed_Name #		nerator) or gnature	(b) (if I am a sm	nall quantity gene	rator) is true.		Mo	nth Day	Year
↓	pe Con	L			Rel	αM	1	1	5 6	112
INT	16. International Shipments Import to U.S.	Export from	U.S.	Port of e						
-	Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials			Date leav	ving U.S.:					
TRANSPORTER	Transporter 1 Printed/Typed Name	Si	gnature					Mo	nth Day	Year
S									ath Dov	Voor
RA	Transporter 2 Printed/Typed Name	Si	ignature					Мо I	nth Day	Year
-	18. Discrepancy									
П	18a. Discrepancy Indication Space Quantity Type			Residue		Partial Re	jection		Full Reje	ction
	18b. Alternate Facility (or Generator)		M	anifest Reference	ce Number:	U.S. EPA ID	Number			
FACILITY						_				
D FA	Facility's Phone:					<u> </u>			onth Day	Year
ATE	18c. Signature of Alternate Facility (or Generator)							IVI	Jay	loai
DESIGNATED	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treated)	atment, dispos	sal, and red	cycling systems)						
E	1 2.	3.				4.				
	H141 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials cove	ared by the mo	nifeet over	int as noted in 14	em 185					
	20. Designated Facility Owner or Operator: Certification of receipt of nazardous materials cover Printed/Typed Name		iniiest exce Signature	Pras nued in ite	511 108			M	onth Day	Year
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100	UNIF	ORM HAZARDOUS 1. Generator ID Number 2. Page	1 of 3. Eme	ergency Respons	e Phone	4. Manifest	Tracking No	umber		
		ASTE MANIFEST (IMP) (25.0 / 25.0 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 /	Canada	((Site Address		han mailing addre	- 101 EAS	1811	JJK	\dashv
		erator's Name and Mailing Address		tor's Site Address	,	nan mailing addre	55)			
		ir - oz, meno (vvi. 11 680k - OM)		7. 37 Minie 3. 379 / 379						
1	1	ator's Phone: 680658 (1.E. 87, 48138, 1734):640-7665	_	BLE ON 105		69 % 78VF				
		nsporter 1 Company Name				U.S. EPA ID	Number			
		ir (6t), ILC				89 J. Co.		<u> </u>		
	7. Tra	nsporter 2 Company Name				U.S. EPA 1D	Number			
		O' Alban				II O EDAID	Niverbar			
	l	ignated Facility Name and Site Address				U.S. EPA ID	Number			
ı	1	FRO-CHEN PROLESSING BROSE								
١		(locaste ys Phone: Betreit, \$1 (82)4 (813) 821-5840				Lagrano	801.15	(5-3K)		
ı	-	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number,		10. Conta	iners	11. Total	12. Unit			
1	9a. HM	and Packing Group (if any))		No.	Туре	Quantity	Wt./Vol.	13. Wa	aste Codes	
1	_	1. Date Day Vesbisted Balerial (Dil. Maler)			-			40,9 <u>1</u>	. 5.,	φ./ři
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Н										
ŀŀ	14. S	pecial Handling Instructions and Additional Information	100	1.5.7 2.2		4 19	1 (5)	2 - 2 7 /	2	
$\ \ $		(1) 542940-46 - 511 GHB MATER								
					-	TKL	1353	3		
Н	15.	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consign	ment are fully	and accurately d					ified, packaged,	
П	1	marked and labeled/placarded, and are in all respects in proper condition for transport according to	applicable in	ternational and na	ational govern	mental regulation	s. If export sl	hipment and I ar	n the Primary	
$\ \ $		Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA A I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quanti			nall quantity o	generator) is true.			بر	
Н		rator's/Offeror's Printed/Typed Name	Signature		or a source	Jan. Frank		Monti		/ear
↓	l	Dear H. Who in a pr	-	1-39	الماريد الموسودية الماريد الماريد الموسودية الماريد			06	25]/	Z
_	16. lr	ternational Shipments	from U.S.	Port of e	entry/exit:					
INT		sporter signature (for exports only):			ving U.S.:					
ER	17. T	ansporter Acknowledgment of Receipt of Materials		- The state of the	and the same				De:: \	V0.0-
TRANSPORTER	frans	porter perinted/Typed Name	Signature*	make a second	,			Montl مصمده معیا		Year
S	Trans	porter 2 Printed/Typed Name	Signature	and make	C. Walter			Mont		Year
M	IIIaii	porter 21 mileur speci manie						1	1 1	
片	_	iscrepancy								
$ \uparrow$	\vdash	Di					alast!		Cull Daisetter	_
$\ $	l loa.	Discrepancy Indication Space		Residue		Partial R	ejection	L	_i Full Rejection	1
П				Manifest Referen	ce Number:					
¥	18b.	Alternate Facility (or Generator)				U.S. EPA ID	Number			
등										
DESIGNATED FACILITY	Facil	ty's Phone:							th Dav	Vacr
	18c.	Signature of Alternate Facility (or Generator)						Mon	th Day	Year
ĮŽ.	<u> </u>		lianas at 1	- avalis - avata						
15.	19. H	lazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, c	disposal, and r	ecycling systems	5)	4.				
٦	1		l"			7.				
	_	663 Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the	e manifest ex	cept as noted in It	tem 18a					
$\ \ $		ed/Typed Name	Signature					Mon	th Day	Year
11			1					i		



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

I GENERATOR	(Generator compl		ste, complete Sections I, II and III					
a. Generator's US EPA ID N			st Document Number c. Page 1 of					
					<u> </u>	1		
d. Generator's Inform		•	e. Billing Information:		_		0 "	
USEPA – SK Hand	tools Site		(Billing/Pricing is handle					
135 Hickory Street			Management & the Repu	IDIIC RO	эн-Оπ Н	auiing Divis	ion)	
Defiance, OH 435			a Dhana: 512 200 2062	/Enviro	nmantal	Ouglity Mon	agamant)	
f. Phone: 734-692-7			g. Phone: 513-309-3062	(Enviro	mmentai	Quality Man	agement)	
h. County of Site Loc		County, OH						
Generator site location (i	f different):							
i. Site Location:			j. Phone No.:					
k. Waste Profile #	I. Exp. Date	m. Waste S	Shipping Name and Description	n. Cor No.	ntainers Type	o. Total Quantity	p. Unit Wt/Vol	
3764 12 9433	6 / 6 / 2013		Empty Containers		Roll- Off			
		and De	bris		0"			
3764 12 9816	6 / 7 / 2013	Floor S Debris	Sweepings and	1	Roll- Off	30	CY	
						2		
GENERATOR'S CERTIFICA	ATION: I hereby certify	that the above nam	ed material is not a hazardous waste	as define	ed by 40 C	FR 261 or any a	applicable	
waste is a treatment residue	of a previously restrict	ed hazardous waste	s in proper condition for transportation subject to the Land Disposal Restric s no longer a hazardous waste as de	ctions. I c	ertify and	warrant that the	s; AND, if this waste has	
x belo	11	x (ely		6-	20-12	_	
q. Generator Authorized		r. Signature			s. Date			
		ompletes IIa-b ar	nd Transporter completes IIc-	e)				
a. Transporter's Nar								
National Serv-All F	•							
6231 MacBeth Ros								
Fort Wayne, IN 46		0						
b. Phone: 260-478	5-03//							
16/16/		160	<u></u>		blul	<u> </u>		
c. Driver Name (Print)	N /O	d. Signature '	Dartie die Oite en la la Nil	e. Date	9			
		·	Destination Site completes III d. Discrepancy Indicates					
a. Disposal Facility a		1	1	анон эра	CE.			
National Serv-All L			per – N/A					
6231 MacBeth Ro		IDEM	Approval					
Fort Wayne, IN 46	•	Numt	per - 02-02					
b. Phone: 260-478-		peen accepted and for	o the best of my knowledge the foreg	oina is tr	ue and acc	urate.		
			, , , , , , , , , , , , , , , , , , , ,					
e. Name of Authorized Age		f. Signature	novotov commista IV/ IV	g. Date)			
IV. ASBESTOS a. Operator's Name and Ad	•	eles Iva-i and O	perator complete IVg-i) c. Responsible Agency Name	and Adda	966.			
THIS SECTION IS NO)T APPLICABLE (I					NOT ASBES	TOS)	
e. Special Handling Instruc		ormation:	0/ Non Erich!					
and are classified, packed,	TION: I hereby declare marked and labeled an	% Friable that the contents of are in all respects	% Non-Friable this consignment are fully and accur in proper condition for transport by h	rately des nighway a	cribed abo	ve by proper sho applicable inte	ipping name rnational and	
national governmental regu	nauons.							
g. Operator's Name and Ti	tle (Print)	h. Signature	la argunaniaga the facility haire de	i. Date	or ropous	ed or the dema	lition or	
*Operator refers to the correnovation operation or bot		es, operates, contro	ls, or supervises the facility being de	monsned	or removal	eu, or the derifo	and on the	



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR	(Generator comple							
a. Generator's US EPA ID N	umber	b. Manifest	Document Number		c. Page	c. Page 1 of		
d. Generator's Inform USEPA – SK Hand			e. Billing Information: (Billing/Pricing is handle			/ironmental	•	
135 Hickory Street			Management & the Repu	ıblic Ro	II-Off H	auling Divis	sion)	
Defiance, OH 435			- Di 540 000 0000	· ·		0		
f. Phone: 734-692-7			g. Phone: 513-309-3062	(Enviro	nmentai	Quality Man	agement)	
h. County of Site Loc		County, OH						
Generator site location (i	f different):							
i. Site Location:			j. Phone No.:					
k. Waste Profile #	I. Exp. Date	m. Waste S	hipping Name and Description	n. Cor No.	tainers Type	o. Total Quantity	p. Unit Wt/Vol	
3764 12 9433	6 / 6 / 2013	RCRAI	Empty Containers		Roll-	,,,,	1/4	
		and De		1	Off	15	Λ <i>P</i>	
3764 12 9816	6 / 7 / 2013	Floor S Debris	weepings and	1	Roll- Off	15	YO.	
state law, has been properly waste is a treatment residue	described, classified ar of a previously restricte	nd packaged, and is ed hazardous waste	ed material is not a hazardous waste in proper condition for transportation subject to the Land Disposal Restric no longer a hazardous waste as de	n accordinations. I c	g to applice	cable regulation warrant that the	s; AND, if this	
x PC 6	\mathcal{M}	X	for Cell		6	-		
q. Generator Authorized		r. Signature	d Transporter completes IIc-		s. Date)		
a. Transporter's Nan National Serv-All H 6231 MacBeth Roa Fort Wayne, IN 46 b. Phone: 260-478	ne and Address: lauling Division ad 809							
Kant Mr	M	Sint	moor	6-2	28-1	2_		
c. Driver Name (Print)		d. Signature		e. Date)			
	<u> </u>		Destination Site completes III	<u> </u>				
a. Disposal Facility a National Serv-All L 6231 MacBeth Roa Fort Wayne, IN 46 b. Phone: 260-478-	andfill (Republic Se ad 8809 (Allen Count 0374	ervices) US EF Numb IDEM Numb	d. Discrepancy Indicator Approval er - 02-02 the best of my knowledge the foreg			urata		
Therby certify that the above	e named material has be	sen accepted and to	the best of my knowledge the foreg	oing is tru	e and acc	urate.		
e. Name of Authorized Ager	nt (Print)	f. Signature		g. Date				
			perator complete IVg-i)					
a. Operator's Name and Ad THIS SECTION IS NO b. Phone:	T APPLICABLE (N		c. Responsible Agency Name a THIS SECTION IS NOT A d. Phone:			NOT ASBES	TOS)	
e. Special Handling Instruct		rmation: % Friable	% Non-Friable					
OPERATOR'S CERTIFICA	TION: I hereby declare t marked and labeled and	hat the contents of t	this consignment are fully and accura in proper condition for transport by h	ately desc ighway ac	cribed abor	ve by proper sh applicable inte	ipping name rnational and	
g. Operator's Name and Tit	e (Print)	h. Signature		i. Date				
	pany which owns, lease		s, or supervises the facility being der		or renovate	ed, or the demo	lition or	



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

I. GENERATOR	(Generator compl		ste, complete Sections I, II and III				
a. Generator's US EPA ID N			t Document Number		c. Page	1 of 1	
d. Generator's Inform	nation:		e. Billing Information:			- 	
USEPA - SK Hand			(Billing/Pricing is handle	d betw	een Env	vironmental	Quality
135 Hickory Street			Management & the Repu				
Defiance, OH 435							
f. Phone: 734-692-7			g. Phone: 513-309-3062	(Enviro	nmental	Quality Mar	nagement)
h. County of Site Loc		County, OH					
Generator site location (i							
: Cita I anatiani			i. Phone No.:				
i. Site Location: k. Waste Profile #	I. Exp. Date	m. Waste S	hipping Name and Description	n. Co	ntainers	o. Total	p. Unit
				No.	Туре	Quantity	Wt/Vol
3764 12 9433	6/6/2013	RCRA	Empty Containers		Roll- Off		
		and De	bris		Oll		
3764 12 9816	6 / 7 / 2013	Floor S	weepings and		Roll-	7.	VX
		Debris		1	Off	30	1 Y D
						ļ	
			ed material is not a hazardous waste				
state law, has been properly	described, classified a	nd packaged, and is	in proper condition for transportation subject to the Land Disposal Restrict	n accordi	ng to applic	cable regulation	ns; AND, if this
been treated in accordance	with the requirements of	of 40 CFR 268 and is	s no longer a hazardous waste as de	fined by	40 CFR 26	1.	Waste Has
x file	11	x	Well		6-	19-12	
q. Generator Authorized	Agent Name (Print)	r. Signature	, 1000		s. Date		<u> </u>
		mpletes IIa-b ar	nd Transporter completes IIc-	e)			
a. Transporter's Nan							•
National Serv-All H	•						
6231 MacBeth Roa							
Fort Wayne, IN 46							
b. Phone: 260-478	3-0377	1/					
Kent W	loop	Kant	Moor	6	-19-1	9	
c. Driver Name (Print)		d. Signature		e. Date	€		
			Destination Site completes III		· · · · · · · · · · · · · · · · · · ·		
a. Disposal Facility a		1	d. Discrepancy Indic	ation Spa	ce:		
National Serv-All L	• •	Services) US EF	er – N/A				
6231 MacBeth Ro		IDEM	Approval				
Fort Wayne, IN 46	•	^{ty)} Numb	er - 02-02				
b. Phone: 260-478-		peen acconted and to	the best of my knowledge the foreg	aine ia te	us and see		
r nerby certify that the above	e nameu material Ras D	con accepted and to	and best of my knowledge the foreg	ung is th	ne alia acc	uiale.	
a Name of Authorized Access	nt (Drint)	f Cianatura		- D-1			
e. Name of Authorized Ager IV. ASBESTOS		f. Signature	perator complete IVg-i)	g. Date	·		
a. Operator's Name and Ad	·	ALLO FEE FAILS OF	c. Responsible Agency Name	and Addr	ess:		
THIS SECTION IS NO		NOT ASBESTO	S) THIS SECTION IS NOT			NOT ASBES	STOS)
b. Phone: e. Special Handling Instruct	tions and Additional Info	omation:	d. Phone:	 -			.
f. Friable Non-Fria	able 🔲 Both	% Friable	% Non-Friable				
and are classified, packed,	HON: I hereby declare marked and labeled an	tnat the contents of d are in all respects	this consignment are fully and accur in proper condition for transport by h	ately des ighway a	cribed abo ccording to	ve by proper st o applicable inte	nipping name ernational and
national governmental regu		·		- ·			
g. Operator's Name and Tit		h. Signature		i. Date			
*Operator refers to the com	pany which owns, lease		s, or supervises the facility being der		or renovat	ed, or the demo	olition or
renovation operation or bot	<u>n</u>						· ·

ENCLOSURE 4

HAZCAT SPREADSHEETS

(8 Pages)

103	Drum #	Type	Size	Vol	Liq/SI/Sol	Color	рΗ	FL	CI	Ох	S	CN	Waste Stream	Comments
Record R			5	5	liq	yellow							?	
6														
7 Poly 55 10 liq clear 1 Acid Liquids H2SO4 66 be 8 Poly 55 55 liq clear 1 Acid Liquids H2SO4 66 be 9 Poly 55 55 liq yellow 1 Acid Liquids Nalco 1720 23 Poly 55 55 liq clear 1 Acid Liquids H2SO4 66 be 29 Poly 55 55 liq clear 1 Acid Liquids H2SO4 66 be 29 Poly 5 55 liq clear 1 Acid Liquids H2SO4 66 be 29 Poly 5 55 liq clear 1 Acid Liquids Muriatic acid 22 93 Poly 55 55 liq brown 1 n Acid Liquids Muriatic acid 22 107 Poly 55 38 liq clear 1 n Acid Liquids NexGuard® 22350 <t< td=""><td>5</td><td>Poly</td><td>55</td><td></td><td></td><td>brown</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>Acid Liquids</td><td></td></t<>	5	Poly	55			brown	1						Acid Liquids	
8 Poly 55 55 liq clear 1 Acid Liquids H2SO4 66 be 9 Poly 55 55 liq yellow 1 Acid Liquids Nalco 1720 15 Poly 15 15 liq clear 1 Acid Liquids Nalco 1720 23 Poly 55 55 liq clear 1 Acid Liquids H2SO4 66 be 29 Poly 5 55 liq brown 2 n Acid Liquids H2SO4 66 be 29 Poly 5 55 liq brown 2 n Acid Liquids Muriatic acid 22 107 Poly 55 6 liq brown 1 n Acid Liquids Corrosive label 133 Poly 55 38 liq clear 1 n Acid Liquids NexGuard® 22350 14 Poly 55 27 liq clear 14 Base Liquids NexGuard® 22	6	Poly	55	55	liq	clear	_ 1				Г		Acid Liquids	H2SO4 66 be
9 Poly 55 55 liq yellow 1 Acid Liquids Nalco 1720 15 Poly 15 15 liq clear 1 n Acid Liquids Nalco 1720 23 Poly 55 55 liq clear 1 Acid Liquids H2SO4 66 be 29 Poly 5 1 liq brown 2 n Acid Liquids Muriatic acid 22 107 Poly 55 6 liq brown 1 n Acid Liquids Muriatic acid 22 107 Poly 55 38 liq clear 1 n Acid Liquids Corrosive label 133 Poly 55 38 liq clear 1 n Acid Liquids Corrosive label 14 Poly 15 15 liq clear 1 n Base Liquids NexGuard® 22350 24 Poly 5 5 liq clea	7	Poly	55	10	liq	clear	1						Acid Liquids	H2SO4 66 be
15	8	Poly	55	55	liq	clear	1						Acid Liquids	H2SO4 66 be
23	9	Poly	55	55	liq	yellow	1						Acid Liquids	
29 Poly 5	15	Poly	15			clear	1	n	n				Acid Liquids	Nalco 1720
93 Poly 55 55 liq clear 1 n Acid Liquids Muriatic acid 22 107 Poly 55 6 liq brown 1 n Acid Liquids Corrosive label 133 Poly 55 38 liq clear 1 n Acid Liquids Corrosive label 14 Poly 15 15 liq orange 11 n n Base Liquids NexGuard® 22350 24 Poly 55 27 liq clear 14 Base Liquids Caustic Soda 50% 43 Poly 5 5 liq clear 13 n Base Liquids Ind water treatment alkali 111 Steel 55 38 liq brown 13 n Base Liquids 216 Poly 5 2 liq clear 13 n Base Liquids 230 Fiber 55 27 solid white 13 Caustic Solids	23	Poly	55	55	liq	clear	1				Π		Acid Liquids	H2SO4 66 be
107	29	Poly	5			brown	2	n					Acid Liquids	
133	93	Poly	55	55	tiq	clear	1	n					Acid Liquids	Muriatic acid 22
14 Poly 15 15 liq	107	Poly	55	6	liq	brown	1	n					Acid Liquids	Corrosive label
14 Poly 15 15 liq orange 11 n n n Base Liquids NexGuard® 22350 24 Poly 55 27 liq clear 14 Base Liquids Caustic Soda 50% 43 Poly 5 5 liq clear 13 n Base Liquids Ind water treatment alkali 111 Steel 55 38 liq brown 13 n Base Liquids 216 Poly 5 2 liq clear 13 n Base Liquids 230 Fiber 55 27 solid white 13 Caustic Solids	133	Poly	55	38	liq	clear	1	n			Γ		Acid Liquids	
24 Poly 55 27 liq clear 14 Base Liquids Caustic Soda 50% 43 Poly 5 5 liq clear 13 n Base Liquids Ind water treatment alkali 111 Steel 55 38 liq brown 13 n Base Liquids 216 Poly 5 2 liq clear 13 n Base Liquids 230 Fiber 55 27 solid white 13 Caustic Solids				400										
24 Poly 55 27 liq clear 14 Base Liquids Caustic Soda 50% 43 Poly 5 5 liq clear 13 n Base Liquids Ind water treatment alkali 111 Steel 55 38 liq brown 13 n Base Liquids 216 Poly 5 2 liq clear 13 n Base Liquids 230 Fiber 55 27 solid white 13 Caustic Solids											Γ			
43 Poly 5 5 liq clear 13 n Base Liquids Ind water treatment alkaling 111 Steel 55 38 liq brown 13 n Base Liquids 216 Poly 5 2 liq clear 13 n Base Liquids 230 Fiber 55 27 solid white 13 Caustic Solids	14	Poly	15	15	liq	orange	11	n	n				Base Liquids	NexGuard® 22350
111 Steel 55 38 liq brown 13 n Base Liquids 216 Poly 5 2 liq clear 13 n Base Liquids 87 87 Caustic Solids Caustic Solids	24	Poly	55	27	liq	clear	14				T		Base Liquids	Caustic Soda 50%
216 Poly 5 2 liq clear 13 n Base Liquids 87 87 Caustic Solids 230 Fiber 55 27 solid white 13 Caustic Solids	43	Poly	5	5	liq	clear	13	n					Base Liquids	Ind water treatment alkali
230 Fiber 55 27 solid white 13 Caustic Solids	111	Steel	55	38	liq	brown	13	n			Γ		Base Liquids	
230 Fiber 55 27 solid white 13 Caustic Solids	216	Poly	5	2	liq	clear	13	n			П		Base Liquids	
				87										
				1										
19 Steel 5 Empty	230	Fiber	55	27	solid	white	13	Ţ					Caustic Solids	
19 Steel 5 Empty														
19 Steel 5 Empty														
	19	Steel	5										Empty	
34 Poly 15 Empty	34	Poly	15										Empty	
161 Steel 55 Empty	161	Steel	55						Π		Г			
171 Poly 16 Empty	171	Poly	16							Γ				
				I							Γ	Π		

Drum #	Type	Size	Vol	Liq/SI/Sol	Color	рН	FL	Ci	Ох	S	CN	Waste Stream	Comments
1	Steel	55	55		black	•	p	n			-	Flammable Liquids	
2	Steel	55	55	liq	black		p	n				Flammable Liquids	
3	Steel	55	55	liq	brown		ρ	n				Flammable Liquids	
10	Poly	55	55	liq	yellow		р	n				Flammable Liquids	
13	Poly	15	15	liq	white							Flammable Liquids	
16	Steel	1	1									Flammable Liquids	
17	Steel	1	1									Flammable Liquids	
18	Steel	1	1									Flammable Liquids	
20	Steel	5	0	liq	clear		р	n				Flammable Liquids	Safety can
26	Poly	15	1	liq		8	n					Flammable Liquids	•
44	Steel	5	5	liq	brown		р					Flammable Liquids	
47	Steel	5		liq	clear		p					Flammable Liquids	
50	Poly	55	55	liq	clear		р					Flammable Liquids	
51	Steel	5		liq	red		р			┢		Flammable Liquids	
57	Steel	15	15		brown	7	р					Flammable Liquids	
59	Steel	15	30		brown		р					Flammable Liquids	
60	Steel	30	20		red		р		 -			Flammable Liquids	
61	Steel	55	55		yellow		р					Flammable Liquids	
62	Steel	55	15		yellow	5						Flammable Liquids	
65	Steel	55	55		red		р	<u> </u>				L	Mobil areo hf hydro fluid
67	Steel	55	40		clear		p					Flammable Liquids	
68	Steel	55	55		clear		р	†	\vdash	Г		Flammable Liquids	gear oil
69	Poly	55	40		red		р	一	 -	T		Flammable Liquids	
70	Poly	30	20		red	 	р			1		Flammable Liquids	
72	Poly	55	35		red		р			Г		Flammable Liquids	
73	Poly	55		liq			р			一	 -	Flammable Liquids	
74	Steel	55		liq	black		n	\vdash		┪		Flammable Liquids	oil
76	Steel	30		liq	red		р			 		Flammable Liquids	
77	Steel	55		liq	brown		p				-	Flammable Liquids	oil
82	Poly	55		liq	red		р			 		Flammable Liquids	
104	Poly	5		liq	yellow		<u> </u>					Flammable Liquids	
105	Poly	5		liq	ргоми		р				<u> </u>	Flammable Liquids	
108	Poly	5	2		black		р					Flammable Liquids	
112	Poly	55	40	liq	brown	8	F					Flammable Liquids	used oil
115	Steel	55		liq	clear	5	n/p					Flammable Liquids	<u> </u>
118	Steel	55		liq	black		р			Π		Flammable Liquids	
119	Steel	55	55	liq	black	Π	р			Γ		Flammable Liquids	
120	Steel	55		liq	brown		р	1		Γ	1	Flammable Liquids	
121	Steel	55	38	liq	clear	Π	р					Flammable Liquids	EMD oil
122	Steel	55		liq	black		р					Flammable Liquids	
123	Steel	55		liq	black	T	р			Γ		Flammable Liquids	
124	Steel	55		liq	clear		р	1		1		Flammable Liquids	
125	Steel	55		liq	clear	Π	р			Γ	-	Flammable Liquids	
126	Steel	55		liq	black	5	р	Г		Γ		Flammable Liquids	
127	Steel	55		liq	black		р	T		1		Flammable Liquids	
132	Steel	55		liq	black		р	П	T	T		Flammable Liquids	
134	Steel	55		liq	black		n	1		T		Flammable Liquids	
135	Steel	55		liq	black	Ī	р			Π	1	Flammable Liquids	1
136	Steel	55		liq	brown		р	T		T		Flammable Liquids	
141	Poly	55		liq	red	T	р	1		T		Flammable Liquids	
142	Poly	5		liq	brown		p	T		T		Flammable Liquids	

Drum #	Type	Size	Vol	Liq/SI/Sol	Color	nН	FI	CL	Ωv	S	CN	Waste Stream	Comments
144	Steel	55	38		black	5		<u> </u>	-	_		Flammable Liquids	Comments
145	Steel	55	55		clear	5		-		H	 	Flammable Liquids	
146	Steel	55	55		brown	Ť	p	_		-		Flammable Liquids	
147	Steel	55		liq	clear	-	p				 	Flammable Liquids	
150	Steel	55	55		black		p			H	 	Flammable Liquids	
151	Poly	55	55		black		p	_		Н		Flammable Liquids	
152	Poly	5		liq	black	_	p	-		\vdash		Flammable Liquids	
153	Poly	55	38		brown		p			┢┈	 	Flammable Liquids	
154	Poly	5	1	liq	black		p	┢		┢┈	-	Flammable Liquids	
155	Steel	55	55		black		p	_		\vdash	 	Flammable Liquids	
156	Steel	55	27		black		p	_		_		Flammable Liquids	
157	Steel	55		lia	brown		ρ	\vdash			 	Flammable Liquids	
158	Poly	5		liq	black		р		\vdash			Flammable Liquids	
160	Steel	55		liq	brown		p		l	Г		Flammable Liquids	
162	Steel	3		liq	black		p			<u> </u>		Flammable Liquids	
164	Poly	5		liq	black		p			Г		Flammable Liquids	
165	Poly	55		líq	black		p					Flammable Liquids	
166	Steel	55	27		purple	\vdash	р			Г	 	Flammable Liquids	
167	Steel	55		liq	black		p			Г		Flammable Liquids	
169	Poly	16		liq	orange	8	n	Г		Γ		Flammable Liquids	
172	Poly	16		liq	clear	1	р	Г		Г	<u> </u>	Flammable Liquids	
174	Steel	5	3	liq	black		р			Г	1	Flammable Liquids	
175	Steel	5	5	liq	black	8	р			Г		Flammable Liquids	
176	Steel	5	1	liq	black		р	р		Г	1	Flammable Liquids	
177	Poly	5	2	liq	brown		р			Γ		Flammable Liquids	
178	Steel	5	4	liq	brown	1	р			Г		Flammable Liquids	
183	Steel	5	1	liq	yellow		p.					Flammable Liquids	
186	Poly	7	5	liq	brown		р			Γ		Flammable Liquids	
187	Poly	5	1	liq	clear		р					Flammable Liquids	
190	Poly	5	4	liq	clear		р					Flammable Liquids	
203	Steel	5		liq	clear		р					Flammable Liquids	
206	Poly	5		liq	clear		р					Flammable Liquids	
212	Steel	5		liq	brown		р		L.			Flammable Liquids	
213	Poly	5		liq	red		р				L_	Flammable Liquids	
214	Poly	3	1	liq	brown		р		<u> </u>			Flammable Liquids	
217	Poly	5	1	liq	brown	8	р	_		L		Flammable Liquids	
220	Poly	5		liq	black		р	_			ļ	Flammable Liquids	
221	Poly	5		liq	red	7	р	_	_	L	1	Flammable Liquids	
222	Steel	85		liq	black	-	р	1	_	_		Flammable Liquids	
223	Poly	5		liq	white		р	1	<u> </u>	_	-	Flammable Liquids	
224	Steel	55		liq	black	6	р	_	<u> </u>	L	_	Flammable Liquids	
225	Steel	55		liq	brown	_	р	_	_	L		Flammable Liquids	
226	Steel	42		liq	black	 	р	\vdash	1	\perp	4_	Flammable Liquids	
228	Steel	55		liq	black	1_	р	_	-	1	1	Flammable Liquids	
232	Poly	55	55	liq	black	Ļ	р	<u> </u>	1	1	1	Flammable Liquids	
233	Poly	55	27	liq	black	1	р	1	-	\perp	-	Flammable Liquids	
234	Poly	55		liq	black	1 6	n	1_	-	1	-	Flammable Liquids	
235	Steel	55		liq	black	+	Р	1	-	\perp	-	Flammable Liquids	
236	Poly	55		liq	black	+	р	+-	_	4	-	Flammable Liquids	
237	Poly	55		liq	black	-	Р	-	-	\perp	\bot	Flammable Liquids	
238	Poly	55	55	iliq	black		р					Flammable Liquids	

Drum #	Type	Size	Vol	Liq/SI/Sol	Color	рΗ	FL	CI	Ох	S	CN	Waste Stream	Comments
239	Poly	55	55	liq	black		ρ					Flammable Liquids	
241	Poly	55	15	liq	black		р					Flammable Liquids	
245	Poly	55	38	liq	black	8	р					Flammable Liquids	
247	Steel	5	3	liq	clear		р			Π		Flammable Liquids	
248	Poly	5	3	liq	black		р			П		Flammable Liquids	
			2773										
								П		П			

Drum #	Туре	Size	Vol	Liq/SI/Sol	Color	рΗ	낟	CI	Ох	S	CN	Waste Stream	Comments
11	Steel	15	5	sludge	black		ρ	n				Grease	
12	Steel	5	5	sludge	black			n				Grease	Grease
36	Steel	5	5	solid	white	6	С					Grease	
39	Poly	7.5	4	solid		6	n					Grease	
52	Steel	15	5	sludge	brown		р					Grease	
56	Steel	15	15	sludge	brown		р					Grease	Grease
159	Steel	16	12	sludge	black		р			L		Grease	Grease
180	Poly	5	5	sludge	white		С					Grease	
193	Poly	5	5	sludge	white		р			L		Grease	
199	Poly	5	5	sludge	brown		р					Grease	
209	Steel	16	4	sludge	red		р					Grease	
210	Steel	16		sludge	red		р					Grease	
246	Steel	16	16	liq	clear	L	р					Grease	
			88										
37	Poly	5	5	liq	white		n					Latex Paint	
198	Poly	5	5	sludge	gray		n					Latex Paint	
200	Poly	5	1	liq	white	_	n					Latex Paint	
201	Poly	5	4		white	8	n					Latex Paint	
207	Poly	5	5	liq	white		n					Latex Paint	
			20										

Drum #	Туре	Size	Vol	Liq/SI/Sol	Color	рН	FL	CI	Ох	S	CN	Waste Stream	Comments
4	Steel	55		liq	clear	6						Neutral Liquids	
25	Poly	15	15		clear	4	n	П				Neutral Liquids	
27	Poly	5	0	liq	clear	6	n					Neutral Liquids	Nalco 1720
28	Poly	5	4	liq	clear	6	р			П		Neutral Liquids	
30	Poly	15	4	liq	clear	5		П			·	Neutral Liquids	
31	Poly	5	1	liq	clear	5	n					Neutral Liquids	NexGuard® 22350
32	Poly	15	1	liq	clear	5	n					Neutral Liquids	
<i>.</i> 35	Poly	5	3	liq	green	8	n					Neutral Liquids	
40	Poly	5	3	liq	yellow	8	n					Neutral Liquids	
41	Poly	15	4	liq	orange	10	n					Neutral Liquids	
45	Poly	5	3	liq	brown	8	n					Neutral Liquids	Nalco boiler treatment
46	Poly	5	4	liq	brown	8	n			Г		Neutral Liquids	
48	Poly	5	3	liq	black	- 8	n					Neutral Liquids	
49	Poly	5	5	liq	brown	1	n					Neutral Liquids	Disinfectant/germicide
53	Poly	55	55	liq	brown	6	n					Neutral Liquids	ind. Microbiocide
54	Poly	55	55	liq	brown	6	n					Neutral Liquids	Haz waste liq
55	Poly	55	55	liq	brown	5	n					Neutral Liquids	Haz waste liq
66	Steel	55	55	liq	clear	5	n					Neutral Liquids	Haz waste liq
71	Steel	15	4	liq	brown	8	n		•			Neutral Liquids	
75	Steel	55	27	liq	clear	10	n					Neutral Liquids	
78	Poly	55	40	liq	clear	5	n					Neutral Liquids	
79	Poly	55	40	liq	clear	5	n					Neutral Liquids	
80	Poly	55	27	liq	clear	5	n					Neutral Liquids	
81	Poly	30	4	liq	clear	5	n					Neutral Liquids	
83	Poly	55	27	liq	clear	5	n					Neutral Liquids	
84	Steel	55	55	liq	clear	5	n					Neutral Liquids	
85	Steel	55	34	liq	clear	5	n					Neutral Liquids	
86	Steel	55	55	liq	clear	5	n			Г		Neutral Liquids	
87	Steel	55	55	liq	clear	5	n			Γ		Neutral Liquids	
88	Steel	55	55	liq	clear	5	n			Г		Neutral Liquids	
89	Steel	55	55	liq	clear	5	n			Г		Neutral Liquids	
90	Steel	55	55	liq	clear		n					Neutral Liquids	
91	Steel	55		liq	clear		n	L				Neutral Liquids	
92	Poly	55	55	liq	clear		n					Neutral Liquids	
94	Poly	55	55	liq	clear		n					Neutral Liquids	
95	Poly	55		liq	clear		n			\Box		Neutral Liquids	
96	Steel	55		liq	black		n					Neutral Liquids	
. 97	Steel	55		liq	orange		n					Neutral Liquids	
98	Steel	55		liq	clear	5	n					Neutral Liquids	oil
99	Steel	55		liq	clear		n					Neutral Liquids	
100	Steel	55		liq	clear		n					Neutral Liquids	
101	Steel	55		liq	clear		F					Neutral Liquids	
102	Poly	55		liq	clear		n					Neutral Liquids	
109	Poly	5		liq	clear		n					Neutral Liquids	
110	Poly	5		liq	brown		р					Neutral Liquids	
113	Poly	55		liq	black		n			\Box		Neutral Liquids	
114	Steel	55		liq	clear		n					Neutral Liquids	
116	Steel	55		liq	clear		n			\Box		Neutral Liquids	Lubes
117	Steel	55		liq	clear		n					Neutral Liquids	Lubes
128	Steel	55		liq	clear		n					Neutral Liquids	Lubes
129	Steel	55	38	liq	clear	5	n	<u>L.</u>		<u>L.</u>		Neutral Liquids	

Drum #	Type	Size	Vol	Liq/SI/Sol	Color	pН	F	ច	Ох	S	CN	Waste Stream	Comments
130	Steel	55	38	liq	clear	5	n		·.·			Neutral Liquids	
131	Steel	55	38	liq	white	5	n					Neutral Liquids	
148	Steel	55	27	liq	clear	5	n					Neutral Liquids	
149	Poly	55	15	liq	brown	8	n					Neutral Liquids	
163	Poly	55	38	liq	clear	5	n					Neutral Liquids	
170	Poly	16	4	liq	clear	5	n					Neutral Liquids	
173	Poly	5	5	liq	clear	4	n					Neutral Liquids	
· 188	Poly	5	5	liq	blue	8	n					Neutral Liquids	
189	Poly	5	1	liq	clear	10	n					Neutral Liquids	
195	Poly	5	4	liq	pink	9	n					Neutral Liquids	
202	Poly	5	2	liq	clear	8	n					Neutral Liquids	
215	Poly	5	2	liq	brown	8	n					Neutral Liquids	
218	Poly	5	5	liq	brown	8	n					Neutral Liquids	
219	Poly	5	5	liq	blue	7	n					Neutral Liquids	
242	Poly	5	5	liq	clear	6	n					Neutral Liquids	
244	Poly	16	16	liq	clear	6	n					Neutral Liquids	
251	Poly	1000	250	liq	clear	6	n					Neutral Liquids	
			2065										

Drum #	Type	Size	Vol	Liq/SI/Sol	Color	рН	FL	CI	Ох	S	CN	Waste Stream	Comments
181	Steel	5	4	solid	brown		р					Paint	
182	Steel	5	4	liq	white		р					Paint	
184	Steel	5	4	sludge	white		p					Paint	
191	Steel	5		solid	black	7	n					Paint	
192	Steel	5	5	liq	black		n					Paint	
204	Poly	5	5									Paint	
205	Poly	5	5	liq	brown		р					Paint	2 bottles in pail
			29										
22	Poly	55	55	liq	clear	3	n					Sodium Bisulfite	
					<u> </u>								Sodium Bisulfite Liq 40%
21	Poly	1		solid	brown	6						Solids	
33	Poly	15		solid	white	5						Solids	
38	Steel	5		solid	brown		n					Solids	
42	Poly	15		solid	white		n					Solids	
58	fiber	55		solid	white		n					Solids	Nalco 1720
63	Steel	15		solid	white		n					Solids	Filter aid
64	Steel	30	5		white		n		L			Solids	
106	Poly	3		solid	white		n					Solids	
137	Fiber	42			white		n					Solids	
138	Fiber	20		solid	black		n					Solids	
139	Fiber	20		solid	black		n					Solids	
140	Fiber	20		solid	black		n			L		Solids	
143	Fiber	55		solid	white		n	L				Solids	
168	Poly	16		solid	white		n				<u> </u>	Solids	
179	Steel	16		solid	white		n			L		Solids	
185	Poly	3		sludge	black	8	n		<u> </u>	<u> </u>		Solids	
194	Poly	4		sludge	white	<u> </u>	n	<u> </u>		L		Solids	
196	Poly	5		solid	brown		n	<u> </u>	<u> </u>		<u> </u>	Solids	
197	Poly	5		solid	brown	1	n	<u> </u>	<u> </u>		<u> </u>	Solids	
208	Steel	30		solid	black	<u>. </u>	p			L	L	Solids	
211	Steel	10	7	solid	white	5		上		L	<u> </u>	Solids	
227	Fiber	55	55		black		С	<u> </u>				Solids	
231	Steel	55		solid	black		С	<u> </u>	<u> </u>			Solids	
240	Fiber	10		solid	black		С	_	L			Solids	
243	Fiber	55		solid	white		С	<u> </u>				Solids	
249	Steel	400		solid	green		n	_	<u> </u>			Solids	
250	Steel	400		solid	green	6	n	_			ļ.,	Solids	
229	Steel	55		solid		<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>	Trash	
	L	<u> </u>	660		ļ	<u> </u>	_	<u> </u>					
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>			<u>L</u>	L			